

## Coupling/decoupling Networks for Unshielded Symmetrical Lines

### CDN RJ45 Datasheet



#### In Compliance with

- > IEC 61000-4-6
- > EN 61000-4-6
- > GB/T17626.6

#### Introduction

The CDN RJ45 is designed according to IEC/EN 61000-4-6, which defined clearly the performance of coupling/decoupling networks as well as the cable type used in it and transmission signal. It is applicable to 4-pair-8-line unshielded balanced communication lines.

#### Features

- > Withstand current up to 1 A;
- > The signal transmission rate of communication lines reaches up to 1000 MBit/s;

#### Application Areas

- > Communication
- > Telecom
- > Medical
- > Broadcast
- > Railway
- > Information Technology
- > Military
- > Aviation
- > New Energy Power

Technical Parameters	
Model No.	CDN RJ45
Standard	IEC/EN 61000-4-6
Frequency Range	150 kHz~230 MHz
Max. AC Voltage (Line -to-ground)	100 V
Max. DC Voltage (Line -to-ground)	150 V
Max. Current	1 A
RF Input Port (BNC)	<20 V
EUT Port Type	RJ45
AE Port Type	RJ45
Common-mode Impedance (EUT)	
150 kHz~24 MHz	150 $\Omega$ $\pm$ 20 $\Omega$
24 MHz~80 MHz	150 $\Omega$ +60 $\Omega$ /-45 $\Omega$
80 MHz~230 MHz	150 $\Omega$ +60 $\Omega$ /-60 $\Omega$

Options	
CDN 100KIT	150 $\Omega$ to 50 $\Omega$ calibration device Quantity: 2 pcs
50ohm BNC Terminal Load	TF2-1-BNC(J) 2W DC-1G
General Parameters	
Weight	Approx. 4.0 kg
Dimension	210 mm (L)×170 mm (W) ×115 mm (H)
Enclosure Material	Aluminum
Ambient Temperature	5°C ~ 40°C (operating condition)
Relative Humidity	20% ~ 80% (operating condition)
Packaging Box	Carton



## **SUZHOU 3CTEST ELECTRONIC CO., LTD.**

Add.: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China

Tel: +86 (0)512 6807 7192      Fax: +86-512-68079795

Sales Email: [globalsales@3ctest.cn](mailto:globalsales@3ctest.cn)      Service Email: [service@3ctest.cn](mailto:service@3ctest.cn)

[www.3c-test.com](http://www.3c-test.com)

3ctest is always striving for product innovation and quality improvement.

Product appearance and technical specifications are subject to change without further notice.

© 3ctest